

Application No. 09/583,729

Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1-3. (Cancelled)

4. (Currently Amended) In a blower which comprises an impeller fixed on one end of a shaft supported rotatably by bearings and a ring-like magnet provided inside the impeller, wherein the shaft and the impeller rotate due to a magnetic interference function between the magnet and a winding provided at a position of a stator corresponding to the magnet, which is supplied with a current,

the blower is characterized in that, in a resin-made bearing box, two ball bearings each having an inner race and an outer race, the inner race being narrower than the outer race, are inserted from one side of the blower,

a retainer ring is provided ~~to on~~ one end of the shaft, another end of the shaft is secured to a bush fixed to center portion of a yoke, the retainer ring ~~is contacted with~~ contacts the inner race of one ball bearing,

a spring ~~is~~ interposed between the bush and the inner race of the other ball bearing,

wherein the inner race of each of the ball bearings is mounted to the shaft so that coaxiality and position of the ball bearings are maintained in order by adjusting the position of each of the inner races through a displacement created between the outer surface of the shaft and the ~~inner-outer~~ surface of the inner race abutting the outer surface of the shaft, the displacement created in relation to a gap which is formed between a side face of the inner races after the bearings are inserted in the bearing box in such a manner that a side face of the outer race of each of the bearings abut each other,

wherein one of the inner races of the two ball bearings is pushed with the spring toward the other ball bearing by applying pre-load.

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5. (Currently Amended) A blower, comprising:

a shaft defining one end, another end and an outer surface;

bearings;

an impeller fixed on the one end of the shaft and supported rotatably by the

bearings;

a ring-like magnet provided inside of the impeller;

a stator;

a winding, the shaft and the impeller being rotatable due to a magnetic

interference function between the ring-like magnet and the winding which is provided at a

position of the stator corresponding to the ring-like magnet and which is supplied with a current;

a resin bearing box;

two ball bearings disposed in the resin bearing box, the two ball bearings each having an inner race and an outer race, the inner race being narrower than the outer race, the two ball bearings being insertable from one side of the blower;

a retainer ring provided at the one end of the shaft, the retainer ring contacting the inner race of one ball bearing of the two ball bearings;

~~a bush, the other end of the shaft being secured to the bush;~~

~~a yoke, defining a center portion, and fixed to the bush; and~~

~~a bush, the other end of the shaft being secured to the bush which is fixed to the center portion of the yoke; and~~

a spring interposed between the bush and the inner race of the other ball bearing of the two ball bearings;

wherein the inner race of each of the ball bearings is mounted to the shaft so that coaxiality and position of the ball bearings are maintained by adjusting a position of each of the inner races through a displacement created between the outer surface of the shaft and the ~~inner~~ outer surface of the inner race abutting the outer surface of the shaft, the displacement created in

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relation to a gap which is formed between a side face of the inner races after the bearings are inserted in the bearing box in such a manner that a side face of the outer race of each of the bearings abut each other; and

wherein one of the inner races of the two ball bearings is pushed with the spring toward the other ball bearing by applying pre-load.